GMC

GLOBAL MACHINERY COMPANY

2400W

355mm (14")
Cut Off Saw

2 YEAR WARRANTY
30 DAY MONEY
BACK GUARANTEE

PLATINUM
MX355C

• Melbourne • Perth • Auckland • Hong Kong • Shanghai • Taipei • New York • Verona • London • Paris

Black	Magenta	**Code:** MX355C		
Cyan	Yellow	**Date:** 060105	**Edition:** 04	**Op:** DCR

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2 Year Warranty
30 Day Money
Back Guarantee

Full 2 years commercial and trade use warranty

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 2-year period for commercial and trade use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit is only made available by returning the tool to the place of purchase with a confirmed register receipt. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents or alterations.

It also does not cover any bonus accessories unless the tool is a GMC Platinum Professional model.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty.

If you need direction of what constitutes a free of charge warranty claim, please review the guide given on the rear of the Receipt Holder. An indication is given as to the types of claim that are permissible, and those that are not.

Dear customer

If you require any help with your product, whether it is a Warranty claim, spare part or user information, please phone our Help Line for an immediate response. Phone 1300 880 001 in Australia or 0800 445 721 in New Zealand.

Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

***CAUTION.** Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.*

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

Environmental protection

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.

Wear hearing protection.
Wear eye protection.
Wear breathing protection.

Conforms to relevant standards for electromagnetic compatibility.

Double insulated for additional protection.

Specifications

Voltage:	*230–240Vac ~ 50Hz*
Input power:	*2400W*
No load speed:	*3900 RPM*
Disc diameter:	*355mm*
Flange diameter:	*120mm*
Disc bore size:	*25.4mm*
Pipe:	*105mm**
Box Section:	*95mm square**
Rectangular Steel Tubing:	*70 x 200mm**
Angle Iron:	*110mm**
Solid Steel Bar:	*35mm**
Insulation:	*Double insulated*

** Cutting capacities are based on using a full size 355mm cutting disc that is not worn. As the disc wears the cutting capacity will reduce.*

General safety instructions

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and infirm people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

WARNING. *When using power tools, basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. Also, please read and heed the advice given in the additional important safety instructions.*

1. ***Keep the work area clean and tidy.*** *Cluttered work areas and benches invite accidents and injury.*
2. ***Consider the environment in which you are working.*** *Do not use power tools in damp or wet locations. Keep the work area well lit. Do not expose power tools to rain. Do not use power tools in the presence of flammable liquids or gases.*
3. ***Keep visitors away from the work area.*** *All visitors and onlookers, especially children and infirm persons, should be kept well away from where you are working. Do not let others in the vicinity make contact with the tool or extension cord.*
4. ***Store tools safely.*** *When not in use, tools should be locked up out of reach.*
5. ***Do not force the tool.*** *The tool will do the job better and safer working at the rate for which it was designed.*
6. ***Use the correct tool for the job.*** *Do not force small tools or attachments to do the job best handled by a heavier duty tool. Never use a tool for a purpose for which it was not intended.*
7. ***Dress correctly.*** *Do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and non-slip footwear are recommended when working outdoors. If you have long hair, wear a protective hair covering.*
8. ***Use safety accessories.*** *Safety glasses and earmuffs should always be worn. A face or dust mask is also required if the sanding operation creates dust.*
9. ***Do not abuse the power cord.*** *Never pull the cord to disconnect the tool from the power point. Keep the cord away from heat, oil and sharp edges.*
10. ***Secure the workpiece.*** *Use clamps or a vice to hold the workpiece. It is safer than using your hand and frees both hands to operate the tool.*
11. ***Do not overreach.*** *Keep your footing secure and balanced at all times.*
12. ***Look after your tools.*** *Keep tools sharp and clean for better and safer performance. Follow the instructions regarding lubrication and accessory changes. Inspect tool cords periodically and, if damaged, have them repaired by an authorised service facility. Inspect extension cords periodically and replace them if damaged. Keep tool handles dry, clean and free from oil and grease.*
13. ***Disconnect idle tools.*** *Switch off the power and disconnect the plug from the power point before servicing, when changing accessories and when the tool is not in use.*
14. ***Remove adjusting keys and wrenches.*** *Check to see that keys and adjusting wrenches are removed from the tool before switching on.*
15. ***Avoid unintentional starting.*** *Always check that the switch is in the OFF position before plugging in the tool to the power supply. Do not carry a plugged in tool with your finger on the switch.*
16. ***Use outdoor rated extension cords.*** *When a tool is used outdoors, use only extension cords that are intended for outdoor use and are so marked.*

17. ***Stay alert.*** *Watch what you are doing. Use common sense. Do not operate a power tool when you are tired.*

18. ***Check for damaged parts.*** *Before using a tool, check that there are no damaged parts. If a part is slightly damaged, carefully determine if it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, proper mounting and any other conditions that may affect the operation of the tool. A part that is damaged should be properly repaired or replaced by an authorised service facility, unless otherwise indicated in this Instruction Manual. Defective switches must be replaced by an authorised service facility. Do not use a tool if the switch does not turn the tool on and off correctly.*

19. ***Guard against electric shock.*** *Prevent body contact with grounded objects such as water pipes, radiators, cookers and refrigerator enclosures.*

20. ***Use only approved parts.*** *When servicing, use only identical replacement parts. Use an authorised service facility to fit replacement parts.*

Additional safety rules for cut off saws

WARNINGS.

Always wear eye protection.

Do not use cutting wheels, the maximum permissible speed of which is below the RPM value stated on the tool.

- *Check the cut off disc before mounting it into the saw. Strike the disc with a wooden handle whilst balancing the disc on your finger. Listen for the ring. If the tone is dull, do not use the disc. It may be cracked.*
- *When the disc is installed, stand to one side, out of line with the disc, and run the tool for at least a minute to make sure that it is not faulty. Always stay out of line of the disc when using the saw.*
- *Do not use a cut off disc marked with a lower RPM than that of the no load speed shown on the rating plate of the tool.*
- *Check that the mains voltage matches that given on the rating plate before plugging in the tool.*
- *Ensure that the workpiece is held tight in the vice.*
- *When cutting through long material, ensure that it is supported properly by packing up each end to match the height of the vice.*
- *Use only good quality cut off discs as poor quality discs tend to glaze up which can cause unnecessary load on the motor and resulting damage.*
- *Let the disc do the cutting at a reasonable feed. If too much pressure is applied the motor will be overloaded causing the disc to slow resulting in inefficient cutting and possible damage to the motor.*
- *When operating the cut off saw, use safety equipment including safety goggles or shield, ear protection, dust mask and protective clothing including safety gloves.*

WARNING. *Before connecting a tool to a power source (mains switch power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool.*

If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse. The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- *Contact with the disc.*
- *Kickback of workpiece and parts of workpiece.*
- *Disc fracture.*
- *Catapulting of disc pieces.*
- *Damage to hearing if effective earmuffs are not worn.*
- *Harmful emissions of grinding dust when the machine is used in closed rooms.*
- *Do not use discs that are deformed or cracked.*
- *Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the disc.*

Accessories

The GMC MX355C chop saw is supplied with the following accessories as standard

1. *8mm Hex key*
2. *5mm Hex key*
3. *Vice handle*
4. *Hex screw, spring washer and flat washer for vice handle*
5. *355mm Cut off disc (fitted)*
6. *Rear spark shield*
7. *Hex screw, spring washer and flat washer for rear spark shield*
8. *Rubber feet (x4)*
9. *Instruction manual*
10. *Receipt holder*

Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

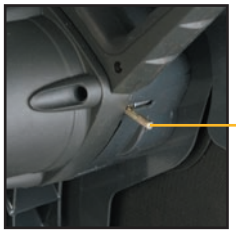
1. *Remove all loose parts from the carton.*
2. *Remove the packing materials from around the saw.*
3. *Carefully lift the saw from the carton and place it on a level work surface.*
4. *The saw has been shipped with the saw arm locked in the down position. To release the saw arm, push down on the top of the saw arm, rotate the lock down knob 90° to the left or right and release the knob.*
5. *Slowly lift the saw arm.*

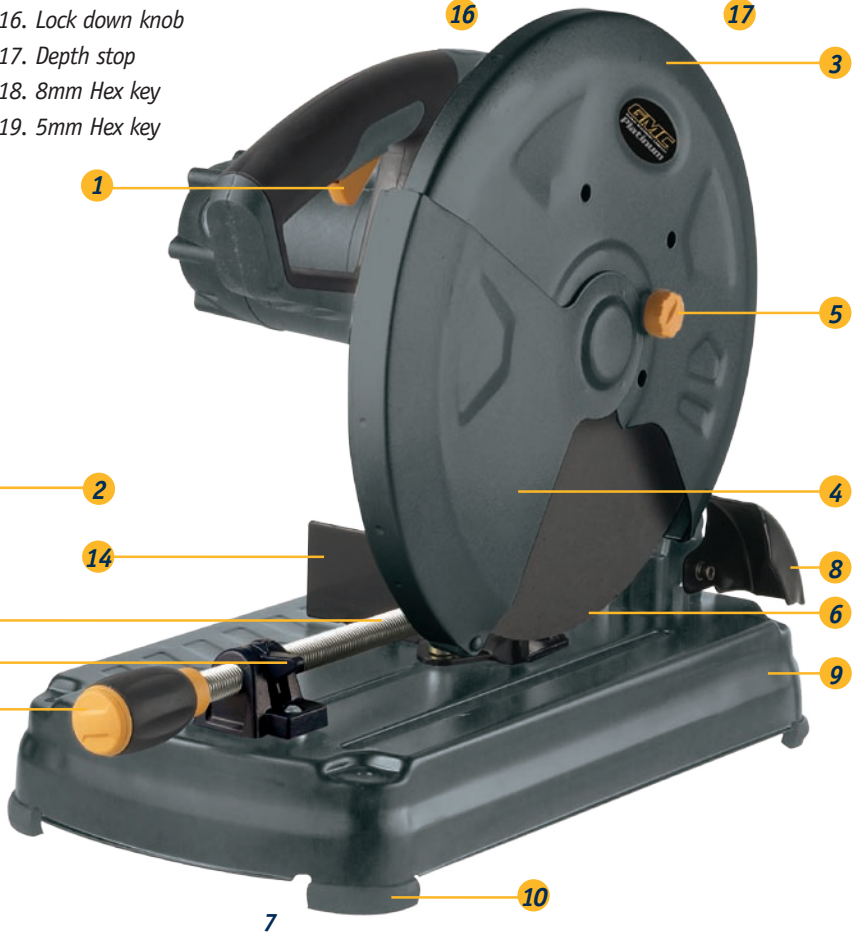
Assembly

The GMC chop saw is packed, fully assembled except for the vice handle, rear spark shield and rubber feet.

Know your product

1. *Trigger switch*
2. *Lock-off button*
3. *Disc guard*
4. *Front spark shield*
5. *Spark shield locking knob*
6. *Cut off disc*
7. *Spindle lock*
8. *Rear spark shield*
9. *Base*
10. *Rubber foot*
11. *Vice lock release lever*
12. *Vice handle*
13. *Vice*
14. *Fence*
15. *Carry handle*
16. *Lock down knob*
17. *Depth stop*
18. *8mm Hex key*
19. *5mm Hex key*





Overview

The cut off saw is used for cutting steel such as pipe, box section, rectangular, angle iron and steel bars. The saw can cut at angles from 0° to 45° left and right, it features a three position fence that permits an extended cutting range. The quick release vice allows fast adjustment whilst the lock-off button prevents accidental operation.

Attaching the rubber feet

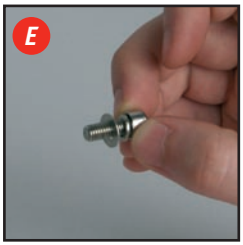
1. *Tilt the saw onto its side.*
2. *Take the rubber feet and insert 1 rubber foot into the matching slots on the base of the saw (fig A).*
3. *Ensure the rubber feet are fully inserted into the slots.*
4. *Repeat for the other side and place the chop saw back on its base.*

Attaching the vice handle

1. *Fit the vice handle onto the end of the vice (fig B).*
2. *Fit the spring washer over the hex screw followed by the flat washer.*
3. *Place the hex screw inside the vice handle and secure the vice handle to the vice by tightening the hex screw in a clockwise direction (fig C).*
4. *Fit the cap onto the vice handle (fig D).*

Attaching the rear spark shield

1. *Place the spring washer over the hex bolt followed by the flat washer (fig E) and then fit the hex bolt through the spark deflector. Place the spark shield in the correct position (fig F) and tighten the hex bolt.*
2. *Tighten the hex bolt to secure the spark shield in position (fig G).*



Adjusting the vice

The vice can be adjusted quickly by loosening the vice lock release lever and pushing forward.

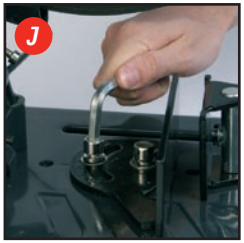
1. *Place your workpiece in between the fence and vice.*
2. *Lift the vice lock release lever to the left and push the vice forward (fig H).*
3. *Once the vice hits the workpiece move the vice lock release lever back to the right.*

4. *Rotate the vice handle in a clockwise direction to secure the workpiece in position (fig I).*
5. *To remove an object from the vice, rotate the vice handle in an anti-clockwise direction until the vice jaws are loose. The workpiece can now be removed, the vice lock release lever can also be moved to the left to slide the vice back quickly.*

NOTE. *The vice lock release lever cannot be lifted until the vice jaws are loose.*

Adjusting the cutting angle

1. *To change the cutting angle loosen the 2 hex screws securing the fence using the 8mm hex key supplied (fig J).*



2. *Move the rear fence to the desired angle using the scale as a guide (fig K).*
3. *Tighten the 2 hex bolts to secure the fence in position.*

CAUTION. *Only perform mitre cuts when the fence is set at the most forward position.*

NOTE. *For accurate cuts, test the cutting angle on some similar scrap material and adjust the angle to suit your requirements. The scale is only a guide.*

Adjusting the fence

1. *The original spacing between the vice and the fence is 175mm.*
2. *When cutting wider materials the rear fence will need to be adjusted to the rear position. When cutting narrow workpieces the fence should be positioned in the most forward position.*
3. *To adjust the fence loosen and remove the two hex bolts securing the fence using the 8mm hex key supplied (fig L).*
4. *Move the fence backwards or forwards to one of the other two fixing positions (fig M).*
5. *Tighten the 2 hex bolts to secure the fence in position.*

CAUTION. *Narrow workpieces may not be secured safely when using the two wider interval settings.*

Turning on and off

1. Plug the cordset into the mains socket.
2. Push the lock-off button and pull the trigger to start the tool (fig N).
3. To stop the tool release the trigger switch.
4. When you release the trigger switch, the machine turns off and the lock-off button re-engages to prevent accidental operation.

WARNING. *The cutting disc will continue to run down for a short period of time after the trigger swich has been released.*

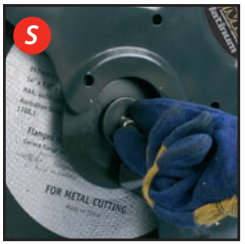
Replacing a cut off disc

CAUTION. *Always ensure that the saw is switched off and unplugged from the power supply before installing or removing a disc.*

1. Loosen and remove the spark shield locking knob (fig O).
2. Swing the front spark shield downwards and pull out from the upper disc guard to reveal the cutting disc bolt and flange (fig P).

3. Push the spindle lock lever to the right and rotate the disc until the spindle lock engages (fig Q).
4. Whilst holding the spindle lock lever use the 8mm hex key supplied to remove the disc bolt. Note that the bolt unscrews in an anti-clockwise direction (fig R).
5. Remove the disc lock bolt, washer, outer flange, blotter and cut off disc (fig S).

6. Clean any grinding dust from the inner flange and, after checking that it is in good condition, mount a new disc between two paper blotters. The rear blotter should be mounted onto the inner flange and the front blotter is the printed surface on the front of the disc.



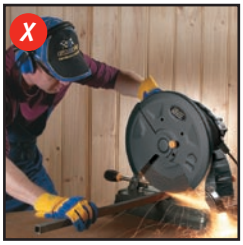
7. Replace the outer flange, washer and lock bolt. Tighten the bolt in a clockwise direction.
8. Turn the new disc by hand, ensuring that it rotates fully and does not wobble unduly.
9. Replace the front spark shield by locating the centre pivot section of the spark shield into the raised centre section of the upper disc guard (fig T).

NOTE. *You need to locate the small tab of the spark guard on the inside of the wheel guard. You may need to push this into position over the head of the disc locking bolt. The two parts will only locate together when the spark guard is in the down position with approximately 80mm of the wheel at the*

bottom exposed (fig U). After locating centrally, lift the spark guard FULLY, ensuring the two parts rotate correctly and do not detach. With the guard in the FULLY upright position, there is only one threaded hole exposed. Replace the spark shield locking screw fully in this hole (fig V). Operate the spark guard up and down to ensure it is correctly located prior to turning the cut off saw on.

NOTE. *Ensure that the depth stop is adjusted to the correct height before commencing operation. The adjustable depth stop is threaded into the base of the machine at the rear. By raising and lowering the depth stop bolt with the 5mm hex key (fig W) the travel of the cut off wheel can be controlled. This feature is particularly useful to prevent contact with the work bench surface when a new disc is fitted or increase disc travel as the abrasive disc wears. The depth stop should be checked and adjusted everytime a new disc is fitted.*

Operation



1. *Make all adjustments including setting the vice, fence position and fence angle.*
2. *Ensure that the workpiece is fully secured before starting any cutting.*

NOTE. *Ensure you are wearing the appropriate safety gear including eye protection and hearing protection.*

3. *Check that the disc, guard and tool are in good condition.*
4. *Plug the cordset into the mains socket.*
5. *Push the lock-off button and pull the trigger to start the tool.*
6. *Bring the disc down onto the workpiece and allow it to cut its way through the workpiece without undue force. (fig X)*
7. *Once the cut is finished, raise the arm to clear the disc from the workpiece, release the trigger and the cut off saw will stop. Please note that the disc will continue to turn for a few revolutions even though the saw is switched off. Keep your hands well away from the moving disc.*

Some helpful tips when using the chop saw

- *Disc selection. The cutting disc must match the material to be cut. There are a wide variety of cutting discs and careful selection will assist in the correct and safe operation of the saw. For example, select a masonry cutting disc for bricks and tiles, a bar cutting disc for cutting solid metal section and a metal stud cutting disc for cutting steel sections. General purpose metal cutting discs are also available but where possible it is better to use the correct cutting disc for the task being performed.*
- *Abrasive cutting discs wear. The cutting discs wear so as to constantly expose to the material being cut clean and sharp cutting edges. This is normal for this type of cutter.*
- *During the cutting operation apply a constant and even pressure to the cutting arm. The disc should be constantly cutting, and sufficient pressure needs to be applied to keep the cutting action going. If insufficient pressure is applied, the wheel has a tendency to clog, and the cutting edges of the disc become blunt and the cutting process reduces considerably. This is called glazing of the wheel and is due to the incorrect cutting disc for the material being cut, or the cutting rate being too slow.*
- *Do not overload the saw. The saw should run during the cutting operation at close to full speed. Too much pressure being applied to the tool will slow the motor and can cause motor failure.*
- *Too much pressure being applied to the tool can also cause the cutting disc to cut on an angle. Ensure the beginning of the cut is a gradual start and apply the firm and constant pressure as the cut gets deeper.*
- *When cutting sections, always try and cut the sections so as the actual cutting length is as short as possible through the section. For example, angle iron has two sections to be cut. If the material is cut where both sections are cut at once, it is better for the cutting action than trying to cut on thin section and then a long length cut for the next section. The longer the length of cut, the more chance of the cutting disc glazing and motor overload.*

NOTE. *As the disc wears the cutting capacity will decrease and the depth stop knob may need to be adjusted.*

Maintenance

WARNING. *Always ensure that the tool is switched off and the plug is removed from the power point before making and adjustments or maintenance procedures.*

Power cord maintenance

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or an authorised service centre in order to avoid a safety hazard.

Cleaning

1. *Keep the tool's air vents unclogged and clean at all times.*
2. *Remove dust and dirt regularly. Cleaning is best done with a soft brush or a rag.*
3. *Re-lubricate all moving parts at regular intervals.*
4. *Never use caustic agents to clean plastic parts.*
5. *Remove the metal that may have built up around the guard and spark deflector.*

CAUTION. *Do not use cleaning agents to clean the plastic parts of the saw. A mild detergent on a damp cloth is recommended.*

General inspection

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

Carefully read the entire Instruction Manual before using this product.

Before returning this product for a Warranty Claim or any other reason
Please Call 1300 880 001 (Australia) or 0800 445 721 (New Zealand)

When you make your call, please have the following information at hand:

- ***GMC Product Type***
- ***GMC Product Code***

A GMC Service Engineer will take your call and, in most cases, will be able to solve your problem over the phone.

You are welcome to use this phone-in service to make suggestions or give comments about any GMC product.

With continuing product development changes may have occurred which render the product received slightly different to that shown in this instruction manual. The manufacturer reserves the right to change specifications without notice. Note: Specifications may differ from country to country.

777
7 DAYS A WEEK 7 AM – 7 PM (EST)

The GMC 777 Helpline operates from 7am to 7pm, 7 days a week (EST). This allows you to contact GMC directly with any queries and technical questions you have regarding our products.

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2 YEAR WARRANTY
30 DAY MONEY BACK GUARANTEE

Save this Manual for future reference.